On page 8, in line 5, delete "an".

On page 9, in line 15, delete "a [...] in".

On page 10, in line 25, change "frequency" to --frequencies--.

On page 12, in line 9, change "frequency" to --frequencies--.

5   On page 14, in line 6, change "2" to --two--.

On page 18, after line 5, add the following new paragraph --

Although other modifications and changes may be suggested by those skilled in the art, it is the intention of the inventors to embody within the patent warranted hereon all changes and modifications as reasonably and properly come

10   within the scope of their contribution to the art.--.

IN THE CLAIMS

On substitute page 19, line 1, change "Patent Claims" to --We Claim:--.

Amend claim 1 as follows:

1. (Amended) <u>A method</u> [Method] for [the] transmission of information in

15   various carrier frequencies with a frequency hopping method, comprising the

following steps:

offering a table [(25)] with a plurality of N possible carrier frequency values fx in

addresses 1 through N of the table [(25)], [whereby] the N possible carrier

frequency values <u>being</u> [are] arranged in n sub-groups;

20   generating [(22)] a sequence of random values;

reading out at least a part M of the N carrier frequency values fx from the table

[(25)], [whereby] the carrier frequency values within each sub-group <u>being</u> [are] read out from the corresponding addresses on the basis of the generated sequence of random values and the sub-groups are read out in a discontinuous sequence, [whereby] M ≤ N applies; and

5   transmitting [(4, 6)] information in the corresponding carrier frequencies.

2.(Amended) <u>A method</u> [Method] according to claim 1, <u>further comprising</u> <u>the step of:</u> [characterized in that the generated] <u>converting said</u> sequence of random values [is converted] into corresponding address values in the respective sub-group with which the carrier frequency values are read from the respective

10   sub-groups of the table [(25)].

3.(Amended) <u>A method</u> [Method] according to claim 1 [or 2], <u>further</u> <u>comprising the steps of:</u> [characterized in that] <u>implementing</u> the following steps [are implemented for the] <u>to</u> setup of a connection:

15   sampling [(26)] a carrier frequency;
deciding [(27)] whether a specific message was received on <u>said</u> [this] carrier frequency during a specific time span;
when the <u>deciding step</u> [decision] is negative, selecting a new carrier frequency and sampling <u>said</u> [this] new carrier frequency;

20   when the <u>deciding step</u> [decision] is positive, generating [(30)] the sequence of random values upon employment of the message.

4.(Amended) <u>A method</u> [Method] according to claim 1, <u>further comprising</u> <u>the steps of:</u> [2 or 3, characterized in that] the following steps [are implemented] for [the] synchronization:

sampling [(26)] a carrier frequency;

deciding [(27)] whether a specific message was received on <u>said</u> [this] carrier frequency during a specific time span;

when the <u>deciding step</u> [decision] is negative, selecting a new carrier frequency and sampling <u>said</u> [this] new carrier frequency;

when the <u>deciding step</u> [decision] is positive, generating [(30)] the sequence of random values upon employment of the message.

5.(Amended) <u>A method</u> [Method] according to <u>claim 1, further comprising the step of:</u> [one of the preceding claims, characterized in that]

<u>reading out</u> a part j of k possible carrier frequency values [is read out] from each sub-group of the table [(25)], [whereby] the remaining k-j carrier frequency values in the respective sub-group [are] <u>being</u> employed for replacing disturbed carrier frequency values of the j carrier frequency values, [whereby] k x n = N and j x n = M apply.

6.(Amended) <u>A method</u> [Method] according to claim 5, <u>further comprising the step of:</u> [characterized in that]

<u>updating</u> each sub-group of the table [(25) is updated (31)] from the k-j carrier frequency values before the <u>reading out step</u> [read-out] upon replacement of the carrier frequency values that correspond to disturbed carrier frequencies.

7.(Amended) <u>An apparatus</u> [Apparatus] for [the] transmission of information in various carrier frequencies with a frequency hopping method, comprising<u>:</u>

[a means (23) for offering] a table [(25)] with a plurality of N possible carrier

frequency value fx in addresses 1 through N of the table [(25)], [whereby] the N possible carrier frequency values <u>being</u> [are] arranged in n sub-groups;

a <u>random value generator</u> [means (22)] for generating a sequence of random

5   values;

a means [(23)] for reading out at least a part M of the N carrier frequency values fx from the table [(25)], [whereby] the carrier frequency values within each sub-group <u>being</u> [are] read out from the corresponding addresses on the basis of the generated sequence of random values and the sub-groups

10   are read out in a discontinuous sequence, [whereby] M ≤ N applies; and

a means [(4, 6)] for transmitting information in the corresponding carrier frequencies.

8.(Amended) <u>An apparatus</u> [Apparatus] according to claim 7, <u>further comprising:</u> [characterized by]

15   a means for converting the generated sequence of random values into address values corresponding to the respective sub-group with which the carrier frequency values are read from the respective sub-groups of the table [(25)].

9.(Amended) <u>An apparatus</u> [Apparatus] according to claim 7 [or 8], <u>further</u>

20   <u>comprising:</u> [characterized in that]

a means for [the] setup of a connection <u>including</u> [is provided that comprises:]

means [(26)] for sampling a carrier frequency;

means [(27)] for deciding whether a specific message was received on

[this] <u>said</u> carrier frequency during a specific time span, configured

25   such that, when the decision is negative, a new carrier frequency is

selected and <u>said</u> [this] new carrier frequency is sampled, and, when the decision is positive, the sequence of random values is generated upon employment of the message.

10.(Amended) <u>An apparatus</u> [Apparatus] according to claim 7, <u>further comprising:</u> [8 or 9, characterized in that]

a means for synchronization <u>including:</u> [is provided that comprises:]

means [(26)] for sampling a carrier frequency;

means [(27)] for deciding whether a specific message was received on <u>said</u> [this] carrier frequency during a specific time span, configured such that, when the decision is negative, a new carrier frequency is selected and <u>said</u> [this] new carrier frequency is sampled, and, when the decision is positive, the sequence of random values is generated upon employment of the message.

11.(Amended) <u>An apparatus</u> [Apparatus] according to <u>claim</u> [one of the claims] 7 <u>wherein said</u> [through 10, characterized in that the] means [(31)] for readout reads a part j of k possible carrier frequency values from each sub-group of the table, [whereby] the remaining k-j carrier frequency values in the respective sub-group <u>being</u> [are] employed for replacing disturbed carrier frequency values of the j carrier frequency values, [whereby] k x n = N and j x n = M apply.

12.(Amended) <u>An apparatus</u> [Apparatus] according to claim 11, <u>further comprising:</u> [characterized by]

a means [(32)] for updating that updates each sub-group of the table from the k-j carrier frequency values before [the] readout upon replacement of the carrier frequency values that correspond to disturbed carrier frequencies.